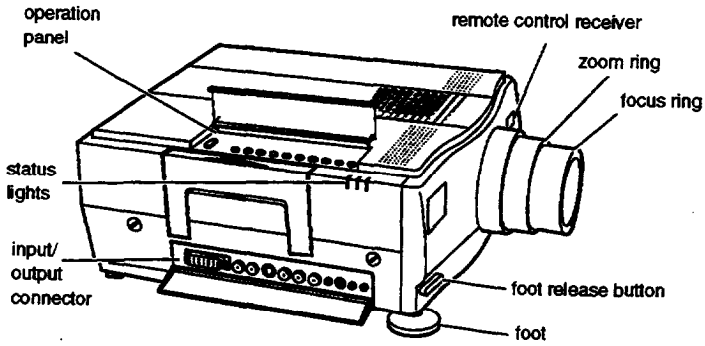


Data/Video Specifications

General

Type of display	Poly-silicon Thin Film Transistor (TFT) Active Matrix LCD
Size of liquid crystal panels	1.32 inches (33.6 mm)
Resolution	640 (horizontal) x 480 (vertical) pixels
Image size	21 to 300 inches (.5 to 7 meters)
Projection distance	4 to 41 feet (1.2 to 12.4 meters)
Remote control range	33 feet (10 meters)
Audio Amp power	1W X 1W stereo

Optical

Aspect ratio	4 x 3 (horizontal x vertical)
Zoom ratio	1:1.4

Projector Lamp

Model number	MSCR150E3H
Type	Metal halide
Life	Typically 600 hours (w/ 50% minimum illumination)
Power	150W
Brightness	330 ANSI lumens typical

Dimensions

Height	5.9 inches (14.9 cm)
Width	11.2 inches (28.5 cm)
Depth	16.3 inches (41.3 cm)
Weight	16.98 1bs (7.7 kg)

Electrical

Voltage	l00-120VAC and 220-240VAC ± 10%
Rated frequency	50/60 Hz
Fuse type	25OV, 6.3AT, 5 x 20 mm
Power consumption	220W (50W in standby mode) 100 - 120 VAC 3.5 Amps, 50/60 Hz 220 - 240 VAC 1.3 Amps, 50/60 Hz

Environmental

Temperature	Operation: 41° to 104° F (5° to 40° C) Storage: -4° to 140° F (-20° to 60° C)
Humidity	Operation: 20 to 80% RH, non-condensing Storage: 10 to 90% RH, non-condensing

Supported Monitor Displays

The projector displays images at a resolution of 640 x 480 pixels. When displaying a higher resolution image, the projector compresses it to 640 x 480. The following table lists the display formats supported by the projector.

Computer type	Formats	Resolutions
IBM PC compatible	CGA, VGA, EGA, VESA, PC98, NEC, JEGA, Video, MDA, Hercules	640 x 480 640 x 200 640 x 400 640 x 350 720 x 350* 720 x 400* 800 x 600*
Apple Macintosh	MAC, MAC LC, Apple II GS, Standard 8- and 24-bit color monitor	640 x 480 640 x 400

* Compressed to 640 x 480

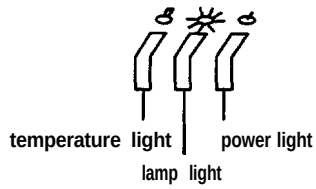
Projector Placement Guidelines

The distance between the projector and the screen determines the actual image size. Use the following general guidelines to determine the proper distance.

Image size (diagonal)		Distance from screen (approximate)
Maximum zoom	Minimum zoom	
300 inches (25 feet)	214 inches (30 feet)	40 feet
204 inches	146 inches	27 feet
96 inches	69 inches	13 feet
60 inches	42 inches	8 feet
30 inches	21 inches	4 feet

Status Lights

The status lights at the top of the projector monitor its operation.



Status light	Color	Status
Temperature	Flashing orange	Projector is hot
	Orange	Projector is too hot; lamp turns off
Lamp	Flashing green	Lamp is warming up
	Green	Lamp is on
	Flashing orange	Lamp is cooling down
	Flashing red	Lamp is not working
	Flashing green and orange for 5 minutes	Lamp has been used 700 hours. It will need to be replaced soon.
	Turns off	If the lamp is on, but the indicator goes off, the lamp has been used 1000 hours. Replace the lamp.
Power	Orange	Projector is in standby mode
	Green	Projector and lamp are on
	Flashing green	Projector is receiving a signal from the remote control
	Flashing red	There is a problem with the projector

To reset the lamp indicator after replacing the bulb, turn off the projector, hold the 'Menu" and 'Sync-" buttons down then turn the power switch back on. Continue to hold the buttons down until all three monitor lights flash orange for about 3 seconds. The lamp dectector is now reset.

Pin Assignments

The following tables describe the pin assignments for the three connectors of the Y-cable: the LCD connector, the VGA connector, and the Monitor connector. The pin assignments for the VGA and Monitor connectors are identical.

LCD **connector pin assignments**

The LCD connector is a 26-pin D-style connector. Its pin assignments are as follows:

Input pin	Signal	Output pin	Input pin	Signal	Output pin
1	Vertical sync	10	18	Green analog input with composite sync	5
2	Horizontal sync	11	20	GND	
8	Blue analog	14	21	GND	
6	Intensity digital	12	22	GND	
7	Green digital	13	23	Digital/analog video cable ID	
9	Red analog	15	24	GND	
16	Blue digital	3	25	VGA/no video cable ID pin	
17	Red digital	4	26	Monochrome digital (Hercules)	19

VGA and Monitor connector Pin **assignments**

The VGA connector is a male video RGB, 15-pin micro-D style connector, and the Monitor connector is a female video RGB, 15-pin micro-D style connector. The pm assignments for both connectors are as follows:

Input pin	Signal	Input pin	Signal
1	Red analog input	9	NC
2	Green analog input with composite sync	10	Sync GND
3	Blue analog input	11	GND
4	GND	12	NC
5	GND	13	Horizontal sync/composite sync input
6	Red GND	14	Vertical sync input
7	Green GND	15	NC
8	Blue GND		

Related Documents

Engineering Change Notices

None.

Technical Information Bulletins

None.

Product Support Bulletins

None.

Related Documentation

4005478	EPSON ELP-3300 Data/Video Projector Owner's Manual
PL-ELP3300	EPSON ELP-3300 Data /Video Projector Parts Price List